Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 23 Oct 2023 until 23:59 on Tuesday 24 Oct 2023

Forecast Issued on Monday 23 Oct 2023 at 00:48

Confidence: High confidence for a largely dry day on Monday before generally wet and unsettled conditions become established for the rest of the coming week. Lower confidence on the detail and timing of various areas of rain or bands of showers.

Headline for Monday 23 Oct 2023: Morning fog and low cloud clearing to largely dry and bright conditions. Cloudier later with locally heavy rain overnight.

Mountain weather hazards on Monday 23 Oct 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG					
Fog	Cloudy	Sunny intervals	Cloudy	Dull	Light rain showers (night)
Precipitation probability					
10%	<05%	<05%	<05%	10%	30%

Forecast for Monday 23 Oct 2023

Weather: Fine start across much of the Peaks with variable cloud. Fog in valleys will gradually lift and disperse through the morning. Some low cloud forming on eastern upslopes will also steadily lift and largely clear. Generally dry conditions throughout daylight hours with some bright spells. However, cloud will thicken from the south through the afternoon and evening, with outbreaks of showery rain arriving towards midnight. Fresh and gusty winds at height

Chance of cloud-free hill tops above 600m: 70%, but 30% towards the east through the morning. Improving to 90% by the afternoon. Decreasing again to 40% towards midnight.

Low cloud and visibility: Valley fog and low cloud will gradually lift and disperse to leave most summits cloud free. Low cloud may continue to linger across east-facing peaks into the early afternoon, perhaps shrouding highest routes throughout. Through the late afternoon and evening cloud is likely to thicken and lower from the south, extensively covering summits above around 500-600m. Poor or very poor visibility in any fog, becoming good to very good outside of cloud. Moderate to poor in late rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Monday 23 Oct 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/17 SE	16/23 SE	15/21 SE	18/25 E	17/25 E	17/24 E	16/22 E
300	7/13 E	10/19 E	12/19 E	12/19 E	12/21 E	12/20 E	8/15 NE
Valley	7/13 E	8/17 E	10/18 E	10/21 E	10/23 E	9/21 E	7/18 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/4	7/3	8/4	8/4	8/4	7/3	7/3
300	9/7	9/7	11/8	11/8	10/8	10/7	9/7
Valley	8/6	10/8	12/10	12/9	11/8	10/8	10/8
Freezing Level*	1600m	1700m	1700m	1700m	1600m	1600m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

The recent heavy rainfall may continue to have an effect on walking conditions, with saturated ground likely in places and some smaller watercourses possibly in spate. Poor visibility and hill fog may make for challenging navigation at times.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 23 Oct 2023	N/A	N/A	N/A

Forecast for Tuesday 24 Oct 2023

Weather: Outbreaks of rain, some moderate to heavy at times, will become widespread through the early hours, particularly affecting eastern facing slopes through Tuesday. Meanwhile, a line of showers is expected to push northwards across the park through the morning, perhaps merging with the area of rain further north to give some more intense downpours. Becoming mostly dry into the evening as rain clears from the west, but remaining cloudy.

Maximum wind: East or Northeast 15-20mph at first, becoming variable 5-10mph by the evening.

Chance of cloud-free hill tops above 600m: 10% at first, likely improving to 60% later, perhaps 80% in the southwest.

Low cloud and visibility: Rather extensive areas of cloud above 300-400m at first, more especially affecting eastern upslopes. This may lift a little during the afternoon to around 600m although cloud is likely to persist across higher summits into the evening. Highest bases in the southwest. Visibility outside of cloud will be moderate in rain and poor in any drizzly bursts or heavier downpours. Visibility becoming good as rain clears. Fog may form in valleys by evening.

Temperature: **Valleys:** Plus 6 degrees Celsius rising to Plus 11 degrees Celsius.
At 600m: Plus 7 degrees Celsius.
Freezing level: Above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.